

INTERNATIONAL SEARCH REPORT

PCT/IB2004/052418

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11B20/00 G11B27/10 G11B27/32 G11B27/34

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 788 094 A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD) 6 August 1997 (1997-08-06) abstract column 1, line 5 - column 4, line 55 column 26, line 9 - column 28, line 13 column 40, lines 26-52 column 44, line 7 - column 45, line 32 figures 1,14,17,28,31 -----	1,2,8, 14,18
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 13, 5 February 2001 (2001-02-05) & JP 2000 298947 A (ALPINE ELECTRONICS INC), 24 October 2000 (2000-10-24) abstract -----	1,2,8, 14,18

☐ Further documents are listed in the continuation of box C

☒ Patent family members are listed in annex.

* Special categories of cited documents

"A" document defining the general state of the art which is not considered to be of particular relevance

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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

25 January 2005

Date of mailing of the international search report

13/05/2005

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